

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8314 (1977): Forceps, Midwifery, Modified Kedarnath Das' Pattern, without Axis Traction [MHD 3: Obstetric and Gynaecological Instruments and Appliances]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

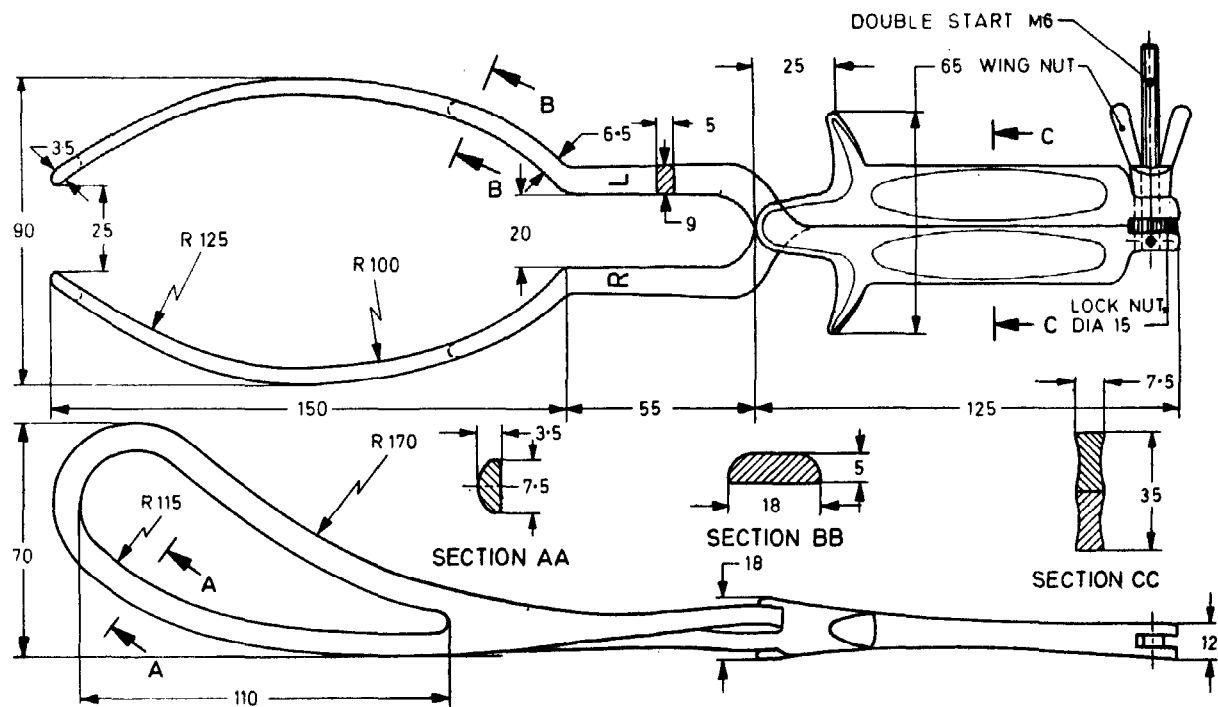
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**SPECIFICATION FOR
FORCEPS, MIDWIFERY, MODIFIED KEDARNATH DAS'
PATTERN, WITHOUT AXIS TRACTION**

2. Shape and Dimensions — As shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 FORCEPS, MIDWIFERY, MODIFIED KEDARNATH DAS' PATTERN, WITHOUT AXIS TRACTION

2.1 The weight of the forceps shall be 400 g, approximately.

2.2 A deviation of ± 2.5 percent shall be allowed on all dimensions.

3. Material

3.1 Stainless steel of Designation 20Cr13 or 30Cr13 of IS : 6603-1972 ' Specification for stainless steel bars and flats '.

3.2 The screw and wing nut shall be of the same material as used for forceps.

4. Workmanship and Finish

4.1 The forceps shall be free from pits, burrs and other surface defects.

4.2 All edges shall be smoothly rounded off.

4.3 The blades shall lock and unlock easily at the joint.

4.4 The wing nut [Conforming to IS : 2636-1972 Specification for wing nuts (*first revision*)] shall fit well and run easily on the clamping screw. With the clamping screw engaged and nut fully tightened, the blades shall be securely fixed to each other.

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~~Gr 1~~

4.5 The forceps shall be polished bright and passivated.

5. Heat Treatment

5.1 The forceps shall be hardened and tempered to give a hardness of 400—460 HV.

6. Tests

6.1 Lock the blades, engage the clamping screw and tighten the wing nut fully. Grip the curved parts of the blades between both hands and make the tips of the blades touch each other and then open 10 times. On completion of the test, the blades shall not have taken a new permanent set.

6.2 With the blades locked and clamped as above, grip the curved part of the blades in each hand. Pull the blades away from one another using a moderate degree of force. On release of the force the blades shall not have taken a new permanent set.

6.3 Clamp the shank of the blade near its junction with the curved part in the horizontal plane, the concave surface facing upwards. Suspend a mass of 5 kg from the blade at a distance of 60 mm from the tip. Attain the load gradually, and allow it to act for two minutes. On completion of the test, blade shall not have taken a new permanent set. Repeat this test on the other blade.

6.4 *Corrosion Resistance* — The instrument shall satisfy the boiling and autoclaving test as specified in IS : 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'.

7. Marking

7.1 Each forceps shall be marked with the following:

- a) Manufacturer's name, initials or recognized trade-mark, and
- b) The words 'stainless steel'.

8. **Packing** — The forceps shall be wrapped in moisture-proof paper or packed in polyethylene bags. The forceps shall then be packed in cartons avoiding contact with one another. The forceps may also be packed as agreed to between the purchaser and the supplier.